

Plasmid: NFIF14B  
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWLD	180
EEAISTLRKGGFYSSQKVTN	200
PNLRIISLNTNLYYGPNTM	220
LNKTDPANQFEWLESTLNNS	240
QONKEKVYIIAHVPVGYLPS	260
SQNTAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTRDSIM	300
VLSDKKGSPVNSLFPAPVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLQPESELYGLAKQFTILDS	400
KQFIKYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid: NFIF7A  
Amino Acids: 364

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFQDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASEMIWTGDSPPHVPVPEL	120
STDVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYSQVIAGQ	200
FYGHTRDSIMVLSQKKGSP	220
VNSLFVAPAVTPVKSQVLEQ	240
TNNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESIWK	280
LEYILTQTYDIEDLQESLY	300
GLAQFTILDSKQFIKYNY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

**FIGURE 2**

1 ATGGCGCTGGTGC GCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG NFIF14B  
1 ATGGCGCTGGTGC GCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG NFIF7A

51 CCGCTCCGGCCTCGGGCTGCCCGTGGCGCCCGCAGGCGGGCAGGAATCCTC NFIF14B  
51 CCGCTCCGGCCTCGGGCTGCCCGTGGCGCCCGCAGGCGGGCAGGAATCCTC NFIF7A

101 CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT NFIF14B  
101 CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT NFIF7A

151 ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG NFIF14B  
151 ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG NFIF7A

201 TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC NFIF14B  
201 TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC NFIF7A

251 CATATCAACTTATTTTTGTCAGCATTTGATTTTTATTAAAAATTCTGGACAA NFIF14B  
251 CATATCAACTTATTTTTGTCAGCATTTGATTTTTATTAAAAATTCTGGACAA NFIF7A

301 GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTCTGT NFIF14B  
301 GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTCTGT NFIF7A

351 ACCTGAACCTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA NFIF14B  
351 ACCTGAACCTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA NFIF7A

401 CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT NFIF14B  
401 CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT NFIF7A

451 AATCATGACTATTGGCCACAGGATCAACTGTCTGTAGTCACCAGTAAAGT NFIF14B  
451 AATCATGACTATTGGCCACAGG----- NFIF7A

501 GTACAAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGATGAAGAAGCTA NFIF14B  
473 ----- NFIF7A

551 TTAGTACTTTAAGGAAAGGTGGTTTTTTATTTCACAGAAAGTTACAACATAAT NFIF14B  
473 ----- NFIF7A

601 CCAAACCTTAGGATCATCAGTCTAAACACAAACTTGTACTACGGCCCAA NFIF14B  
473 ----- NFIF7A

651 TATAATGACACTGAACAAGACTGACCCAGCCAACCAGTTTGAATGGCTAG NFIF14B  
473 ----- NFIF7A

701 AAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAGGTGTATATCATA NFIF14B  
473 -----TGTATATCATA NFIF7A

751 GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT NFIF14B  
484 GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT NFIF7A

801 GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAATACAGTG NFIF14B  
534 GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAAGTACAGTG NFIF7A

851 ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG NFIF14B  
584 ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG NFIF7A

901 GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC NFIF14B  
634 GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC NFIF7A

FIGURE 3

951 TGCTGTTACACCCAGTGAAGAGTGTTTTTAGAAAAACAGACCAACAATCCTG NFIF14B  
 684 TGCTGTTACACCCAGTGAAGAGTGTTTTTAGAAAAACAGACCAACAATCCTG NFIF7A  
 1001 GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF14B  
 734 GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF7A  
 1051 TTGCAGTATTACTTTGAATCTGACAGAGGCGAATCTAAAGGGGAGAGTCCAT NFIF14B  
 784 TTGCAGTATTACTTTGAATCTGACAGAGGCGAATCTAAAGGGGAGAGTCCAT NFIF7A  
 1101 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF14B  
 834 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF7A  
 1151 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF14B  
 884 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF7A  
 1201 AAGCAGTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF14B  
 934 AAGCAGTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF7A  
 1251 TGTAACATGTGATAAGACATGTAAGGCCTTTTCAGATTTGTGCAATTATGA NFIF14B  
 984 TGTAACATGTGATAAGACATGTAAGGCCTTTTCAGATTTGTGCAATTATGA NFIF7A  
 1301 ATCTTGATAAATATTTTCCTATGCGAGATTGCCTCAAACAGCTTTATATAAAG NFIF14B  
 1034 ATCTTGATAAATATTTTCCTATGCGAGATTGCCTCAAACAGCTTTATATAAAG NFIF7A  
 1351 CACAATTACTAG NFIF14B  
 1084 CACAATTACTAG NFIF7A

FIGURE 3 (CONT'D)

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300

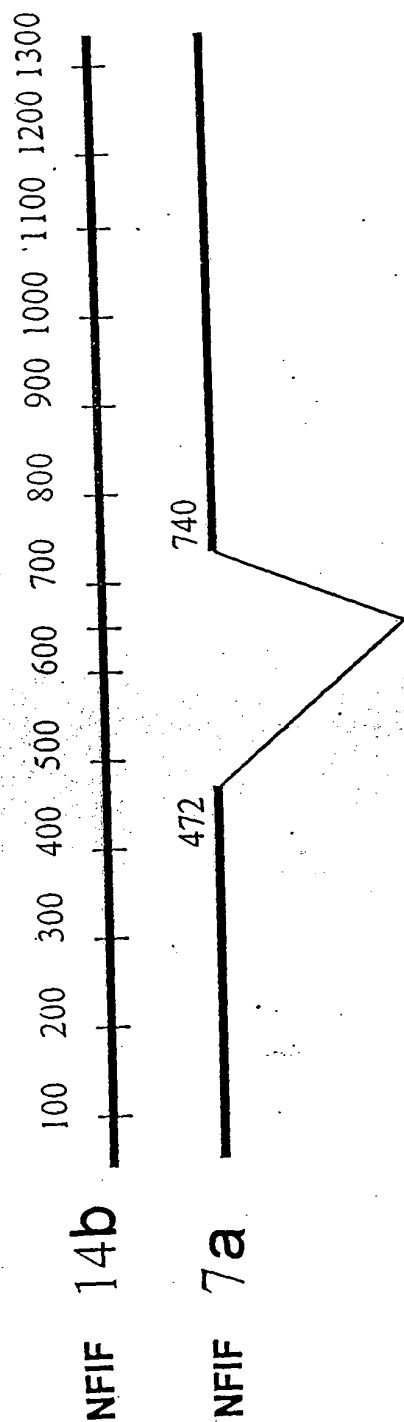
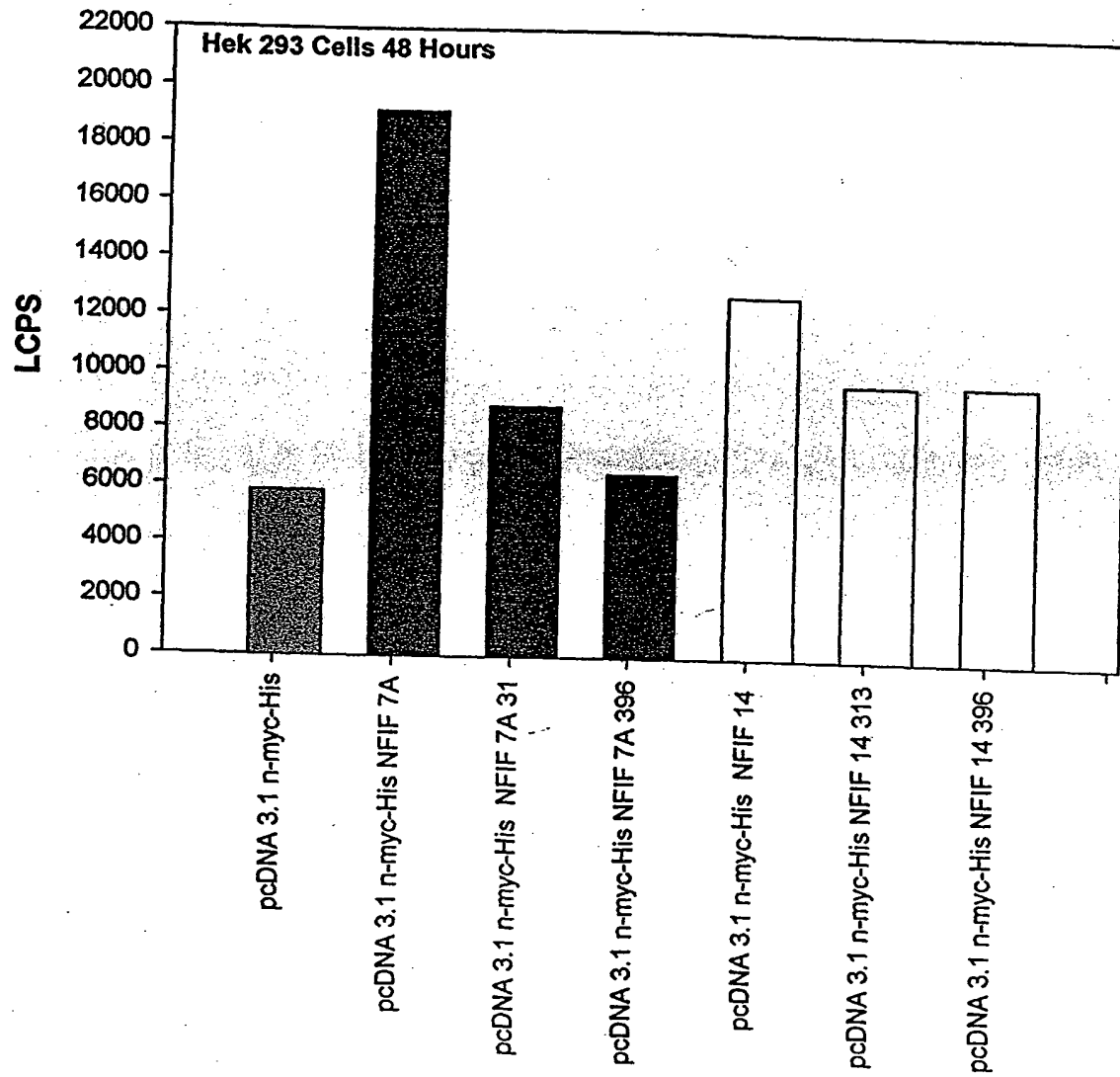


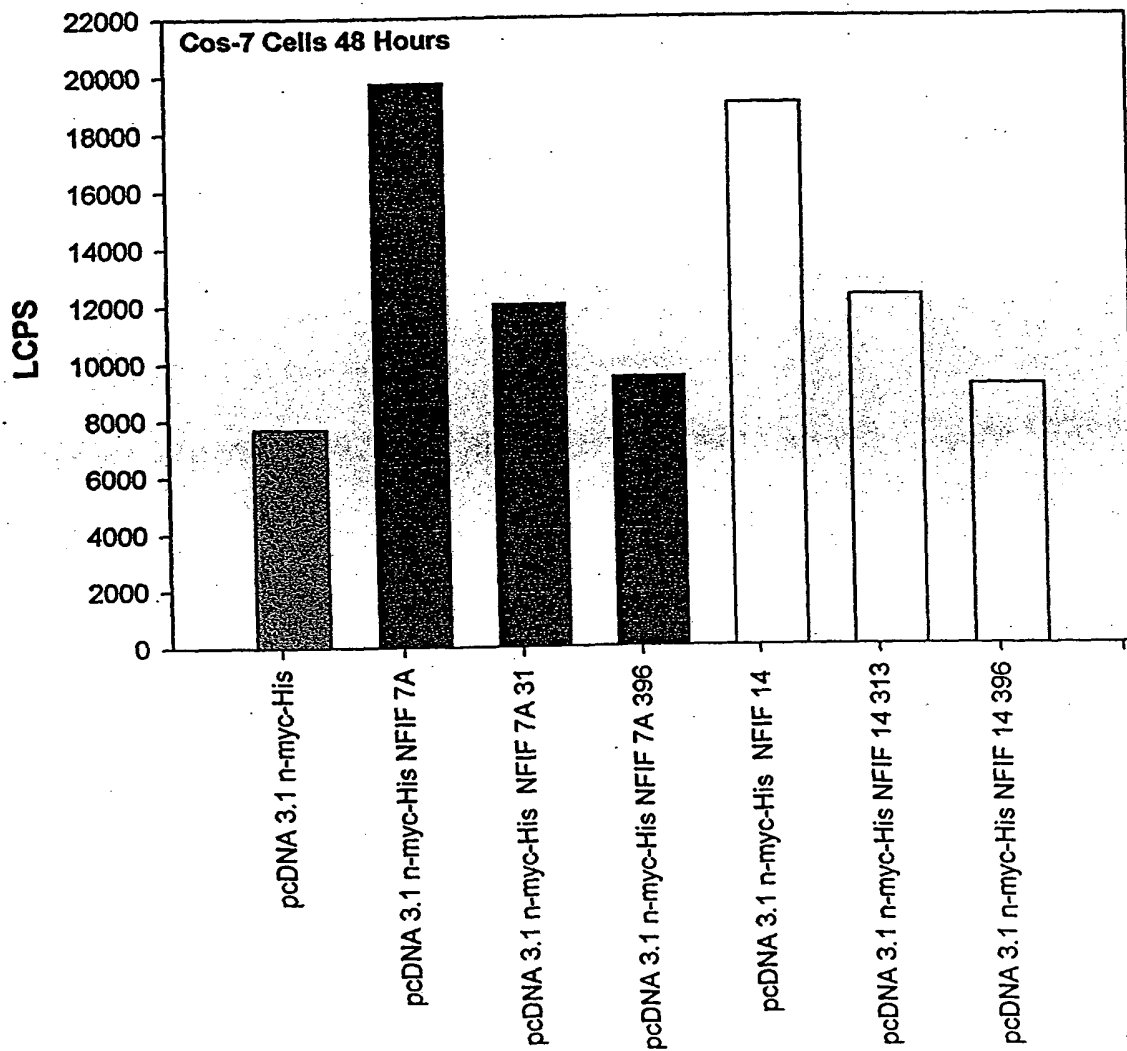
FIGURE 4

# NFκB Reporter with NFIF



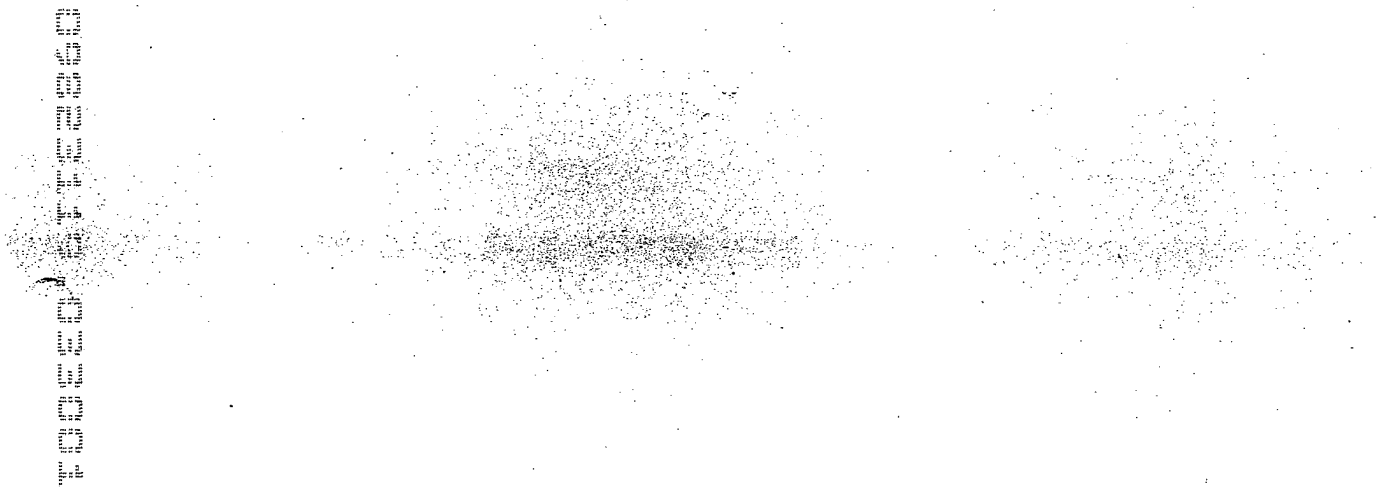
**FIGURE 5**

## NF $\kappa$ B Reporter with NFIF



**FIGURE 6**

SKGANASNPFGDV



**FIGURE 7**



